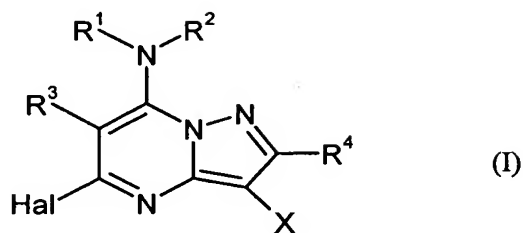


**Pyrazolopyrimidines****Abstract**

New pyrazolopyrimidines of the formula

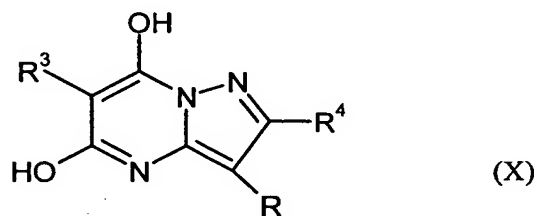
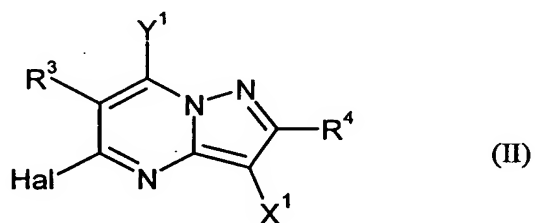


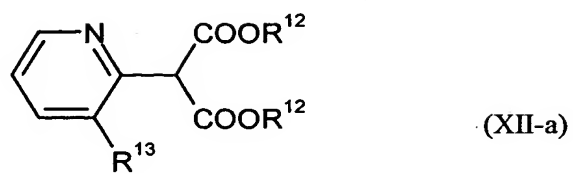
in which

R¹, R², R³, R⁴, X and Hal have the meanings specified in the description,

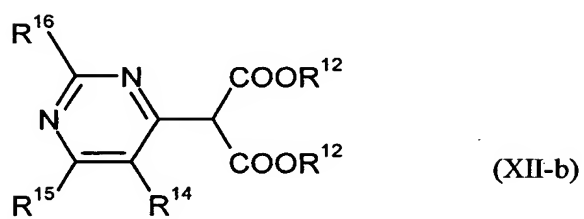
multiple methods for producing these materials and their use for combating undesired micro-organisms.

New intermediate products of the formulas





and



and methods for producing these materials.